

PATAT 2010

8th International Conference on the Practice and Theory of Automated Timetabling

Queen's University Belfast, Northern Ireland, August 2010

This conference is the eighth in a series of conferences that serve as a forum for an international community of researchers, practitioners and vendors on all aspects of **computer-aided timetable generation**.

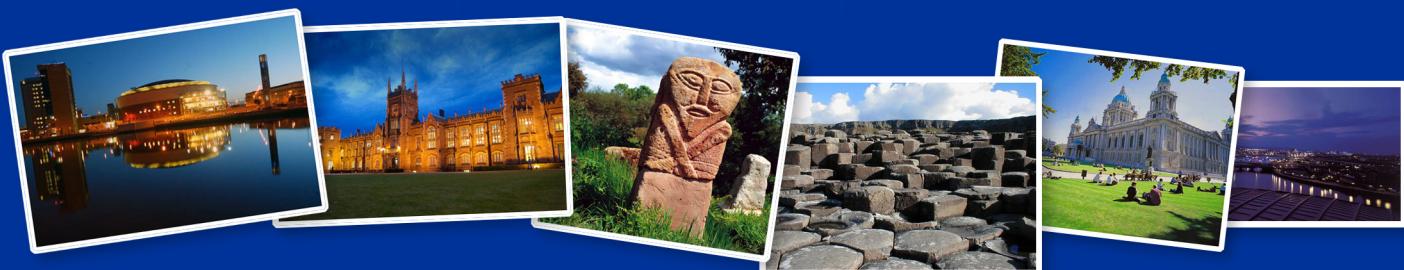
The themes of the conference include (but are not limited to):

- ▶ Educational Timetabling
- ▶ Transport Timetabling
- ▶ Employee Timetabling and Rostering
- ▶ Sports Timetabling
- ▶ Complexity Issues
- ▶ Distributed Timetabling Systems
- ▶ Experiences
- ▶ Implementations
- ▶ Commercial Packages
- ▶ Interactive vs Batch Timetabling
- ▶ Timetable Updating
- ▶ Standard Data Formats
- ▶ Relationship with Other Scheduling Problems
- ▶ Timetabling Research Areas, including:

Constraint-Based Methods
Evolutionary Computation
Artificial Intelligence
Mathematical Programming
Expert Systems
Heuristic Search
Knowledge Based Systems

Operational Research
Simulated Annealing
Local Search
Ant Colony Methods
Soft Computing
Tabu Search
Meta-Heuristics

Hyper-Heuristics
Very Large Neighborhood Search
Graph Colouring
Hybrid Methods
Multi-Criteria Decision Making
Fuzzy Reasoning



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Conference Website

www.cs.qub.ac.uk/patat2010/